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APPLICATION NO.	Fil	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO	
10/072,316 02/08		2/08/2002	3/2002 Junichi Karasawa	81751.0029	9698	
26021	7590	08/11/2003				
HOGAN & HARTSON L.L.P. 500 S. GRAND AVENUE SUITE 1900				EXAMINER		
				LOKE, STEVEN HO YIN		
LOS ANGELES, CA 90071-2611				ART UNIT	PAPER NUMBER	
				2811		
				DATE MAILED: 08/11/2003	DATE MAILED: 08/11/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

of two	4	9M
	Application No.	Applicant(s)
•	10/072,316	KARASAWA ET AL.
Office Action Summary	Examiner	Art Unit
	Steven Loke	2811
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with	the correspondence address
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a repl - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute - Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).  Status	I 36(a). In no event, however, may a reply ly within the statutory minimum of thirty (3 will apply and will expire SIX (6) MONTH e, cause the application to become ABAN	be timely filed  0) days will be considered timely.  S from the mailing date of this communication.  DONED (35 U.S.C. § 133).
1) Responsive to communication(s) filed on 19	<u>May 2003</u> .	
2a)⊠ This action is FINAL. 2b)□ Th	nis action is non-final.	
3) Since this application is in condition for allow closed in accordance with the practice under		
Disposition of Claims	•	
4) Claim(s) 1-18 is/are pending in the application		
4a) Of the above claim(s) is/are withdra	WIT HOTH CONSIDERATION.	
5)⊠ Claim(s) <u>1-15</u> is/are allowed.		
6) Claim(s) 16-18 is/are rejected.		
7) Claim(s) is/are objected to.	or alaction requirement	
8) Claim(s) are subject to restriction and/c	or election requirement.	
9)☐ The specification is objected to by the Examine		
10) The drawing(s) filed on is/are: a) acce		
Applicant may not request that any objection to th		
11) The proposed drawing correction filed on		approved by the Examiner.
If approved, corrected drawings are required in re		
12) The oath or declaration is objected to by the Ex	kaminer.	
Priority under 35 U.S.C. §§ 119 and 120		
13) Acknowledgment is made of a claim for foreig	n priority under 35 U.S.C. § 1	19(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:		
Certified copies of the priority document		
2. Certified copies of the priority document		
<ul> <li>3. Copies of the certified copies of the pricapplication from the International But See the attached detailed Office action for a list</li> </ul>	ıreau (PCT Rule 17.2(a)).	
14)☐ Acknowledgment is made of a claim for domest	ic priority under 35 U.S.C. §	119(e) (to a provisional application).
<ul> <li>a)  The translation of the foreign language prediction</li> <li>15)  Acknowledgment is made of a claim for domes</li> </ul>		
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s)	5) Notice of Info	mmary (PTO-413) Paper No(s)  rmal Patent Application (PTO-152)
l.S. Patent and Trademark Office PTO-326 (Rev. 04-01) Office Ac	ction Summary	Part of Paper No. 10

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Art Unit: 2811

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 2. Claims 16-18 are rejected under 35 U.S.C. 102(e) as being clearly anticipated by Madan.

In regards to claim 16, Madan shows all the elements of the claimed invention in figs. 5a and 6. It is a semiconductor device using as a memory cell a flip-flop including a first load transistor (PMOS in Quadrant 1), a first driver transistor (NMOS in Quadrant 3), a second load transistor (PMOS in Quadrant 2) and a second driver transistor (NMOS in Quadrant 4), wherein the first and second load transistors in one memory cell are disposed symmetrically about a straight line extending in a gate width direction between the drain regions ([608] and the dark shaded area adjacent to [608]) of the first and second load transistors, and wherein each of the drain regions of the first and second load transistors includes a protruded active region (the dark shaded area located above the region [608]) protruding in the gate width direction beyond an end of a channel region (a border of the dark shaded area directly under the gate electrodes [632, 634]).

In regards to claim 17, Madan further discloses a memory system (fig. 5a) provided with the semiconductor device of claim 16.

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In regards to claim 18, Madan further discloses an electronic apparatus (col. 6, lines 29-32) provided with the semiconductor device of claim 16.

3. Applicant's arguments filed 5/19/03 have been fully considered but they are not persuasive.

It is urged, in page 10 of the remarks, that the Madan reference fails to teach or suggest that "each of the drain regions of the first and second load transistors includes a protruded active region protruding in the gate width direction beyond an end of a channel region". However, as shown in fig. 6, the protruded active region (the dark shaded area located above the region [608]) of each of the drain regions of the first and second load transistors is protruding in the gate width direction beyond an end of the channel region (a border of the dark shaded area directly under the gate electrodes [632, 634]). Therefore, Maden does disclose all the claimed subject matters of claims 16-18.

- 4. Claims 1-15 are allowed.
- 5. The following is a statement of reasons for the indication of allowable subject matter: The major difference in the claims not found in the prior art of record is the first drain-gate wiring layer and the second drain-gate wiring layer are located in different layers, respectively, and a first protruded active region is provided in a manner to protrude from an end portion of the first active region.
- 6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven Loke whose telephone number is (703) 308-4920. The examiner can normally be reached on 7:50 am to 5:20 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tom Thomas can be reached on (703) 308-2772. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 308-7722 for regular communications and (703) 308-7722 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

August 8, 2003

Steven Loke
Primary Example: